

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>27</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_27				
Comment Code					
Inspector Comment					
District has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>28</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_28				
Comment Code					
Inspector Comment					
District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	<b>35</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_35				
Comment Code					
Inspector Comment					
District has flood response plans and maintains flood response training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.08	Rating **	A/W	Issue No.	104
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800642 °	38.802413 °
				-121.724723 °	-121.724317 °
DWR ID	DWR_NA0016_01_s_2016_104				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.14	Rating **	M	Issue No.	1551
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID	20224				
Comment Code					
Inspector Comment					
FS_ID:10087					
DS_ID:20224					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall on WS undermined about 3-4-feet.					
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the					
levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end.					
24-inch pipe sleeved through the 36-inch pipe. Annular space between					
pipes grouted. Pumps in pump house with walkway on landside (LS)					
toe. [Additional Reference(s): DWR Levee Log, 2006. USACE					
Sacramento O&M Manual 130, May 1960 (HLM 0.15)].					
FS Date: 3/12/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_10087\_17235.jpg



Pumphouse at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1551 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.801471 °		38.801471 °
				-121.725171 °		-121.725171 °
DWR ID	20224					
Comment Code						
Inspector Comment						
FS_ID:10087 DS_ID:20224 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013						

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>1551 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10087\_17234.jpg



Air vents at outlet on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_10087\_17233.jpg



Slide gates at pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1552
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID	20356				
Comment Code					
Inspector Comment					
FS_ID:10085 DS_ID:20356 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>1552 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10085\_17227.jpg



Pump house on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10085\_17226.jpg



Air vents on pipes at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID	20356				
Comment Code					
Inspector Comment					
FS_ID:10085 DS_ID:20356 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_10085\_17225.jpg



Slide gates at pumphouse on LS toe.

LM Start	0.14	Rating **	M	Issue No.	1553	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.801491 °	38.801491 °	
				-121.725184 °	-121.725184 °	
DWR ID	20357					
Comment Code						
Inspector Comment						
FS_ID:10910 DS_ID:20357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_10910\_18185.jpg



Pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1553 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801491°	38.801491°
				-121.725184°	-121.725184°
DWR ID	20357				
Comment Code					
Inspector Comment					
FS_ID:10910 DS_ID:20357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>1553 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10910\_18184.jpg



Air vents on pipes at WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_10910\_18183.jpg



Slide gates at pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.22	Rating **	A/W	Issue No.	1554	
LM End	0.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.802293 °	38.802293 °	
				-121.724847 °	-121.724847 °	
DWR ID	20327					
Comment Code						
Inspector Comment						
FS_ID:10088						
DS_ID:20327						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: *ABANDONED* 42-inch drainage pipe of an unknown material through the levee, 28.5 feet below the crown.						
Abandoned in place by plugging with concrete. Headwall on waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.22)].						
FS Date: 3/12/2013						

Photo 1 of 1 : UCIP\_FA\_2018\_10088\_17237.jpg



Concrete headwall visible on WS toe.

LM Start	3.54	Rating **	A/W	Issue No.	1556
LM End	3.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility		38.846492 °	38.846492 °	
			-121.730066 °	-121.730066 °	
DWR ID	20331				
Comment Code					
Inspector Comment					
FS_ID:10125					
DS_ID:20331					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)].					
FS Date: 3/12/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_10125\_17283.jpg



Steel walkway on WS berm with Slide gate actuator.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	3.54	Rating **	A/W	Issue No.	1556 (cont)	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.846492 °	38.846492 °	
				-121.730066 °	-121.730066 °	
DWR ID	20331					
Comment Code						
Inspector Comment						
FS_ID:10125						
DS_ID:20331						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)].						
FS Date: 3/12/2013						

Photo 2 of 3 : UCIP\_FA\_2018\_10125\_17282.jpg



Pumphouse at LS toe and concrete riser on LS shoulder.

LM Start	<b>3.54</b>	Rating **	A/W	Issue No.	<b>1556 (cont)</b>
LM End	<b>3.54</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_10125\_17281.jpg



Slide gate at outlet at river side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.55	Rating **	A/W	Issue No.	112
LM End	8.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.857422°	38.857422°
				-121.780870°	-121.780870°
DWR ID	DWR_NA0016_01_s_2018_112				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Location on waterside berm where oak tree fell and removed soil around the roots. There is a bend in the river at this location and has to potential to erode. Recommend monitoring.					

LM Start	<b>8.55</b>	Rating **	A/W	Issue No.	<b>112 (cont)</b>
LM End	<b>8.55</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA\_2018\_NA0016\_435\_112\_20180904\_00028.jpg



View of the berm where the oak tree used to stand, facing the Sacramento River. Spring 2018.

Photo 2 of 3 : FA\_2018\_NA0016\_435\_112\_20180904\_00029.jpg



View of the remaining roots, facing upstream. Spring 2018.

LM Start	<b>8.55</b>	Rating **	A/W	Issue No.	<b>112 (cont)</b>
LM End	<b>8.55</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2018\_NA0016\_435\_112\_20180904\_00030.jpg



Additional view of the berm. Spring 2018.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable       C : Corrected U : Unacceptable                A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.89	Rating **	A/W	Issue No.	1562	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
FS_ID:10146 DS_ID:20230 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_10146\_17312.jpg



Pumphouse on LS toe.

LM Start	<b>8.89</b>	Rating **	A/W	Issue No.	<b>1562 (cont)</b>
LM End	<b>8.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10146\_17311.jpg



Walkway to slide gate actuators on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.89	Rating **	A/W	Issue No.	1562 (cont)	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
FS_ID:10146 DS_ID:20230 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_10146\_17310.jpg



Pipes at outlet on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1563
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856554 °	38.856554 °
				-121.785613 °	-121.785613 °
DWR ID	20361				
Comment Code					
Inspector Comment					
FS_ID:10147 DS_ID:20361 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013					

LM Start	<b>8.90</b>	Rating **	A/W	Issue No.	<b>1563 (cont)</b>
LM End	<b>8.90</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10147\_17316.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10147\_17315.jpg



Walkway to slide gate actuators on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1563 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856554 °	38.856554 °	
				-121.785613 °	-121.785613 °	
DWR ID	20361					
Comment Code						
Inspector Comment						
FS_ID:10147 DS_ID:20361 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_10147\_17314.jpg



Slide gates and pipes at outlet structure on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1564
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856572 °	38.856572 °
				-121.785620 °	-121.785620 °
DWR ID	20362				
Comment Code					
Inspector Comment					
FS_ID:10148 DS_ID:20362 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013					

LM Start	<b>8.90</b>	Rating **	A/W	Issue No.	<b>1564 (cont)</b>
LM End	<b>8.90</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10148\_17320.jpg



Pumphouse on LS.

Photo 2 of 3 : UCIP\_FA\_2018\_10148\_17319.jpg



Slide gate actuators on platform at WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1564 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856572 °	38.856572 °	
				-121.785620 °	-121.785620 °	
DWR ID	20362					
Comment Code						
Inspector Comment						
FS_ID:10148 DS_ID:20362 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_10148\_17318.jpg



Pipes at outlet on WS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1565
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856608 °	38.856608 °
				-121.785622 °	-121.785622 °
DWR ID	20363				
Comment Code					
Inspector Comment					
FS_ID:10149					
DS_ID:20363					
EP_NO: 9376					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)].					
FS Date: 3/13/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_10149\_17324.jpg



Pumphouse on LS.

LM Start	<b>8.90</b>	Rating **	A/W	Issue No.	<b>1565 (cont)</b>
LM End	<b>8.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10149\_17323.jpg



Slide gate actuators on platform at WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1565 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
FS_ID:10149						
DS_ID:20363						
EP_NO: 9376						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)].						
FS Date: 3/13/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_10149\_17322.jpg



Pipes and slide gates at outlet on WS.

LM Start	9.62	Rating **	C	Issue No.	226
LM End	9.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.862422 °	38.862422 °
				-121.790305 °	-121.790305 °
DWR ID	DWR_NA0016_01_s_2017_226				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrow on landside levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862345 °	38.862848 °
				-121.791337 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA\_2018\_NA0016\_435\_29\_20180904\_00007.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	<b>9.68</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>9.79</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0016\_435\_29\_20180904\_00008.jpg



Revegetation site sign. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.75	Rating **	A/W	Issue No.	1567	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.862615 °	38.862615 °	
				-121.792582 °	-121.792582 °	
DWR ID	20232					
Comment Code						
Inspector Comment						
FS_ID:10164						
DS_ID:20232						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 3/13/2013						

LM Start	<b>9.75</b>	Rating **	A/W	Issue No.	<b>1567 (cont)</b>
LM End	<b>9.75</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10164\_17345.jpg



Slide gates at concrete headwall at river

Photo 2 of 3 : UCIP\_FA\_2018\_10164\_17344.jpg



Pipes at entrance to pumping plant building on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	<b>9.75</b>	Rating **	A/W	Issue No.	<b>1567 (cont)</b>					
LM End	<b>9.75</b>	Issue Type +	Ma	Location *						
Category	Supplemental		GPS Latitude/Longitude							
			Start	End						
Item	DWR UCIP LMA Responsibility		38.862615 °	38.862615 °						
			-121.792582 °	-121.792582 °						
DWR ID	20232									
Comment Code										
Inspector Comment										
FS_ID:10164 DS_ID:20232 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013										

Photo 3 of 3 : UCIP\_FA\_2018\_10164\_17343.jpg



Slide gate actuators on WS shoulder.

LM Start	<b>9.76</b>	Rating **	A/W	Issue No.	<b>1568</b>					
LM End	<b>9.76</b>	Issue Type +	Ma	Location *						
Category	Supplemental		GPS Latitude/Longitude							
			Start	End						
Item	DWR UCIP LMA Responsibility		38.862624 °	38.862624 °						
			-121.792626 °	-121.792626 °						
DWR ID	20364									
Comment Code										
Inspector Comment										
FS_ID:10165 DS_ID:20364 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013										

Photo 1 of 3 : UCIP\_FA\_2018\_10165\_17348.jpg



Slide gates and headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1568 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862624 °	38.862624 °
				-121.792626 °	-121.792626 °
DWR ID	20364				
Comment Code					
Inspector Comment					
FS_ID:10165 DS_ID:20364 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	<b>9.76</b>	Rating **	A/W	Issue No.	<b>1568 (cont)</b>
LM End	<b>9.76</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10165\_17347.jpg



Pipes at inlet to pumphouse on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_10165\_17346.jpg



Pumphouse on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1569
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862633 °	38.862633 °
				-121.792669 °	-121.792669 °
DWR ID	20365				
Comment Code					
Inspector Comment					
FS_ID:10168					
DS_ID:20365					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].					
FS Date: 3/13/2013					

LM Start	<b>9.76</b>	Rating **	A/W	Issue No.	<b>1569 (cont)</b>
LM End	<b>9.76</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10168\_17360.jpg



Slide gate and concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10168\_17359.jpg



Pipe at inlet to pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1569 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862633 °	38.862633 °
				-121.792669 °	-121.792669 °
DWR ID	20365				
Comment Code					
Inspector Comment					
FS_ID:10168 DS_ID:20365 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_10168\_17358.jpg



Pumphouse on LS.

LM Start	9.76	Rating **	A/W	Issue No.	1570
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862642 °	38.862642 °
				-121.792713 °	-121.792713 °
DWR ID	20366				
Comment Code					
Inspector Comment					
FS_ID:10167 DS_ID:20366 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_10167\_17352.jpg



Slide gates and headwall at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1570 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862642 °	38.862642 °
				-121.792713 °	-121.792713 °
DWR ID	20366				
Comment Code					
Inspector Comment					
FS_ID:10167 DS_ID:20366 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	<b>9.76</b>	Rating **	A/W	Issue No.	<b>1570 (cont)</b>
LM End	<b>9.76</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10167\_17351.jpg



Pipes at inlet to pumping plant on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_10167\_17350.jpg



Pumping plant on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

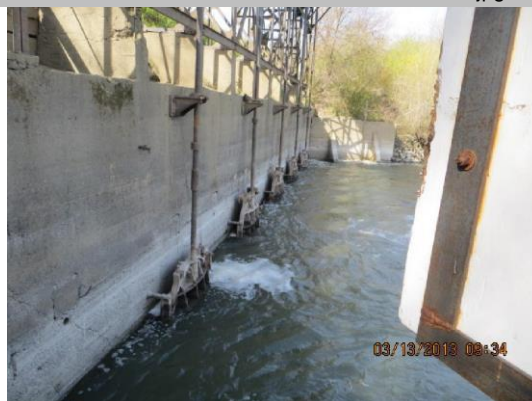
**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1571
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862650 °	38.862650 °
				-121.792754 °	-121.792754 °
DWR ID	20367				
Comment Code					
Inspector Comment					
FS_ID:10169 DS_ID:20367 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	<b>9.76</b>	Rating **	A/W	Issue No.	<b>1571 (cont)</b>
LM End	<b>9.76</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10169\_17364.jpg



Slide gates and concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10169\_17363.jpg



pipes at entrance to pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1571 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862650 °	38.862650 °
				-121.792754 °	-121.792754 °
DWR ID	20367				
Comment Code					
Inspector Comment					
FS_ID:10169 DS_ID:20367 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_10169\_17362.jpg



Pumphouse on LS.

LM Start	11.50	Rating **	M	Issue No.	84
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID	DWR_NA0016_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 101.3 R					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_84\_20181023\_00019.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	<b>14.77</b>	Rating **	A/W	Issue No.	<b>107</b>
LM End	<b>14.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.912188°	38.912188°	
			-121.816825°	-121.816825°	
DWR ID	DWR_NA0016_01_f_2018_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Less than 5 holes on the landside slope. LMA has a bait station. Recommend monitoring.					

No Photos

LM Start	<b>17.38</b>	Rating **	M	Issue No.	<b>109</b>
LM End	<b>17.38</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.937222°	38.937222°	
			-121.831590°	-121.831590°	
DWR ID	DWR_NA0016_01_f_2018_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	<b>17.64</b>	Rating **	C	Issue No.	<b>233</b>
LM End	<b>17.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.940171°	38.940171°	
			-121.832771°	-121.832771°	
DWR ID	DWR_NA0016_01_s_2017_233				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows on landside levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

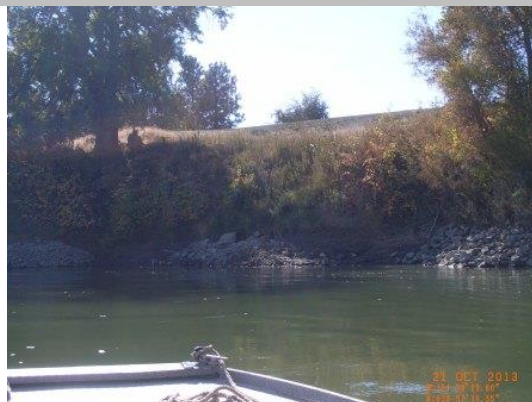
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	18.76	Rating **	A/W	Issue No.	121
LM End	18.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.954060°	38.954312°
				-121.840560°	-121.840774°
DWR ID	DWR_NA0016_01_f_2017_121				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:9					
Site Designation:DWR_NA0016_01_s_2012_2					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/28/2017					
Notes: near abandoned pump intake					

No Photos

LM Start	18.76	Rating **	A/W	Issue No.	85
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 111.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_85\_20181023\_00230.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	23.55	Rating **	A/W	Issue No.	86
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID	DWR_NA0016_01_f_2018_86				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 115.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2016 - New erosion pockets.					
DWR Inspector Comment: Cobble shelf within the water. There is a large section of berm. Does not appear to be actively eroding.					
Recommend monitoring.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_86\_20181023\_00231.jpg



USACE 2013 Photo #1

LM Start	25.75	Rating **	A/W	Issue No.	88
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID	DWR_NA0016_01_f_2018_88				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 118.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2016 - Minor new erosion.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_88\_20181023\_00232.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1581	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.034870 °		39.034870 °
				-121.833501 °		-121.833501 °
DWR ID	20257					
Comment Code						
Inspector Comment						
FS_ID:10291 DS_ID:20257 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 3/14/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_10291\_17548.jpg



Gate valve buried on LS toe.

LM Start	<b>27.54</b>	Rating **	M	Issue No.	<b>1581 (cont)</b>
LM End	<b>27.54</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10291\_17547.jpg



Gate valve buried on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1581 (cont)
LM End	27.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID	20257				
Comment Code					
Inspector Comment					
FS_ID:10291					
DS_ID:20257					
EP_NO: 9355					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe needs to be properly abandoned.					
FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)].					
FS Date: 3/14/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_10291\_17546.jpg



Excavation at WS toe where pipe should be.

LM Start	28.05	Rating **	C	Issue No.	114
LM End	28.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.041008 °	39.041008 °
				-121.835739 °	-121.835739 °
DWR ID	DWR_NA0016_01_s_2018_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple small rodent holes through landside slope and on crown. Recommend monitoring.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.64	Rating **	A/W	Issue No.	1583	
LM End	28.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.048281 °	39.048281 °	
				-121.841084 °	-121.841084 °	
DWR ID	20341					
Comment Code						
Inspector Comment						
FS_ID:10306						
DS_ID:20341						
EP_NO: 9358						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)].						
FS Date: 3/15/2013						

LM Start	<b>28.64</b>	Rating **	A/W	Issue No.	<b>1583 (cont)</b>
LM End	<b>28.64</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10306\_17566.jpg



Gate valve under pumphouse on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10306\_17565.jpg



Pumphouse and sump on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.64	Rating **	A/W	Issue No.	1583 (cont)
LM End	28.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.048281 °	39.048281 °
				-121.841084 °	-121.841084 °
DWR ID	20341				
Comment Code					
Inspector Comment					
FS_ID:10306					
DS_ID:20341					
EP_NO: 9358					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)].					
FS Date: 3/15/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_10306\_17564.jpg



siphon breakers in CMP risers on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.65	Rating **	A/W	Issue No.	1584	
LM End	28.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.048295 °	39.048295 °	
				-121.841088 °	-121.841088 °	
DWR ID	20259					
Comment Code						
Inspector Comment						
FS_ID:10307 DS_ID:20259 EP_NO: 9358 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 3/15/2013						

LM Start	<b>28.65</b>	Rating **	A/W	Issue No.	<b>1584 (cont)</b>
LM End	<b>28.65</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_10307\_17569.jpg



Pumphouse over sump on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_10307\_17568.jpg



Slide gate in concrete vault under pumphouse at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.65	Rating **	A/W	Issue No.	1584 (cont)	
LM End	28.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.048295 °	39.048295 °	
				-121.841088 °	-121.841088 °	
DWR ID	20259					
Comment Code						
Inspector Comment						
FS_ID:10307 DS_ID:20259 EP_NO: 9358 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 3/15/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_10307\_17567.jpg



Siphon breaker in 24-inch CMP riser on WS slope.

LM Start	29.69	Rating **	A/W	Issue No.	89
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID	DWR_NA0016_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.0 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 1997 - Mass failure of the lower cohesive bank and toe.					
2000 - Still eroding, steeply dipping foresets in the toe are falling off.					
2010 - Some new erosion and some new deposition. Eddy current off					
the upstream rock. 2011 - Still plenty of berm left. 2016 - Minor new					
erosion.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_89\_20181023\_00233.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

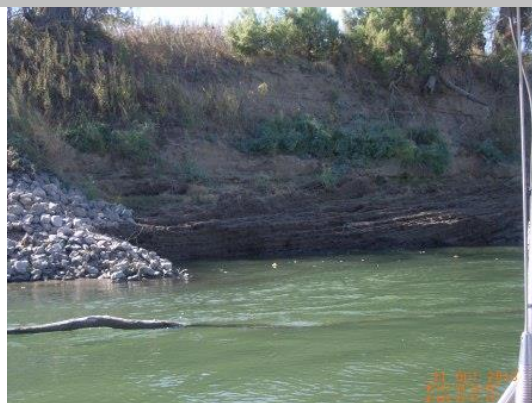
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	29.96	Rating **	M	Issue No.	91
LM End	30.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.065886 °	39.067386 °
				-121.842950 °	-121.845266 °
DWR ID	DWR_NA0016_01_f_2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.3 R					
Status: Eroding					
2017 Field Notes: Fresh slumping erosion at toe.					
Site History: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015 - Undermining of toe rock. 2016 - Site extended upstream, new erosion and exposed tree roots.					
DWR Inspector Comment: No erosion within the prism and vegetation appears to be stabilizing the bank. Recommend monitoring.					

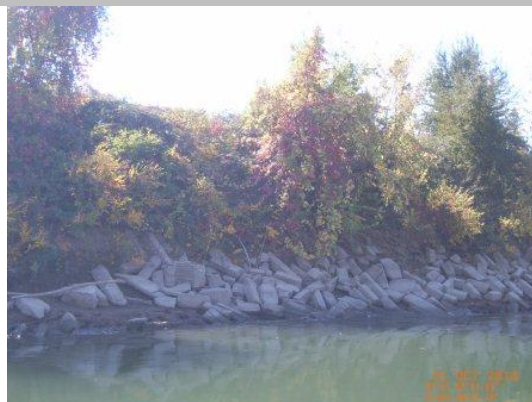
Photo 1 of 1 : FA\_2018\_NA0016\_435\_91\_20181023\_00234.jpg



USACE 2013 Photo #1

LM Start	31.43	Rating **	A/W	Issue No.	92
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.067004 °	39.066901 °
				-121.866913 °	-121.867322 °
DWR ID	DWR_NA0016_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 123.7 R Status: Eroding 2017 Field Notes: No observed change. Site History: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end.					
DWR Inspector Comment: Appears to be stable. Plenty of berm and cobble left.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_92\_20181023\_00235.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	<b>32.03</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>32.03</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.069130 °	39.069130 °	
			-121.876638 °	-121.876638 °	
DWR ID	DWR_NA0016_01_s _ 2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>32.68</b>	Rating **	C	Issue No.	<b>115</b>
LM End	<b>32.68</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.071454 °	39.071454 °	
			-121.888351 °	-121.888351 °	
DWR ID	DWR_NA0016_01_s _ 2018_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterside slope.					

No Photos

LM Start	<b>32.97</b>	Rating **	C	Issue No.	<b>117</b>
LM End	<b>32.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.074245 °	39.074245 °	
			-121.891960 °	-121.891960 °	
DWR ID	DWR_NA0016_01_s _ 2018_117				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

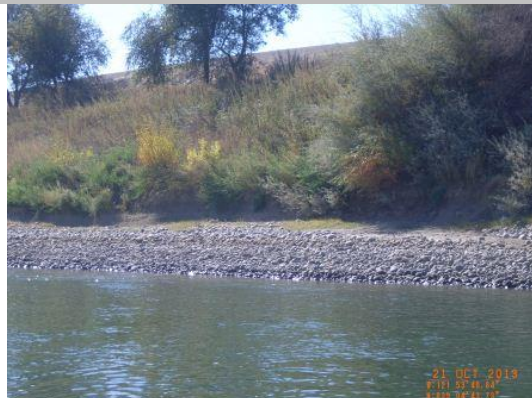
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	33.29	Rating **	A/W	Issue No.	93
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID	DWR_NA0016_01_f_2018_93				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 125.6 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping.					
2012 - Site appears to be relatively stable. 2013 - New animal holes.					

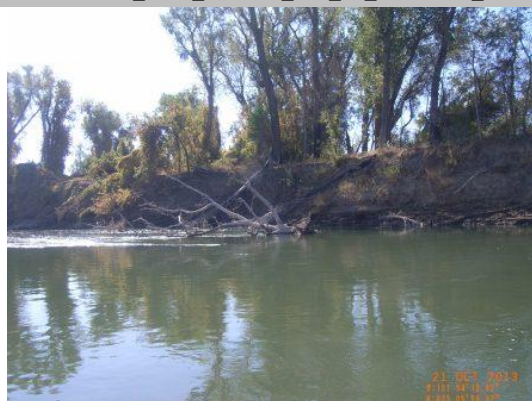
Photo 1 of 1 : FA\_2018\_NA0016\_435\_93\_20181023\_00236.jpg



USACE 2013 Photo #1

LM Start	35.23	Rating **	A/W	Issue No.	94
LM End	35.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.099482 °	39.100836 °
				-121.903430 °	-121.904320 °
DWR ID	DWR_NA0016_01_f_2018_94				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 127.9 R					
Status: Eroding					
2017 Field Notes: fresh erosion at lower slope.					
Site History: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2016 - Fresh erosion at toe.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_94\_20181023\_00237.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	35.71	Rating **	M	Issue No.	60
LM End	35.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.105637 °	39.105637 °
				-121.907977 °	-121.907977 °
DWR ID	DWR_NA0016_01_f_2018_60				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterside slope.					

No Photos

LM Start	36.15	Rating **	M	Issue No.	1592	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.111233 °		39.111233 °
				-121.911450 °		-121.911450 °
DWR ID	20345					
Comment Code						
Inspector Comment						
FS_ID:10426 DS_ID:20345 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 3/18/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_10426\_17705.jpg



Slide gate on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1592 (cont)	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.111233 °	39.111233 °	
				-121.911450 °	-121.911450 °	
DWR ID	20345					
Comment Code						
Inspector Comment						
FS_ID:10426 DS_ID:20345 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 3/18/2013						

Photo 2 of 3 : UCIP\_FA\_2018\_10426\_17704.jpg



Headwall and gate valve on LS toe buried but partially exposed.

LM Start	<b>36.15</b>	Rating **	M	Issue No.	<b>1592 (cont)</b>
LM End	<b>36.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_10426\_17703.jpg



Outlet/inlet on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	40.23	Rating **	C	Issue No.	136
LM End	40.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142277 °	39.142277 °
				-121.921853 °	-121.921853 °
DWR ID	DWR_NA0016_01_f_2017_136				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	41.08	Rating **	A/W	Issue No.	1598	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.152347 °		39.152347 °
				-121.920610 °		-121.920610 °
DWR ID	20288					
Comment Code						
Inspector Comment						
FS_ID:10535 DS_ID:20288 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 3/21/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_10535\_17877.jpg



Slide gate in CMP riser on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	41.08	Rating **	A/W	Issue No.	1598 (cont)	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.152347 °		39.152347 °
				-121.920610 °		-121.920610 °
DWR ID	20288					
Comment Code						
Inspector Comment						
FS_ID:10535 DS_ID:20288 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 3/21/2013						

LM Start	<b>41.08</b>	Rating **	A/W	Issue No.	<b>1598 (cont)</b>
LM End	<b>41.08</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_10535\_17876.jpg



6-foot diameter CMP riser with slide gates on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_10535\_17875.jpg



24-inch CMP at connection to CMP riser on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	42.73	Rating **	A/W	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949°	39.169949°
				-121.938664°	-121.938664°
DWR ID	DWR_NA0016_01_f_2015_146				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA\_2018\_NA0016\_435\_146\_20180904\_00046.jpg



Slope stability issue due to foot traffic. Spring 2017.

LM Start	<b>42.73</b>	Rating **	A/W	Issue No.	<b>146 (cont)</b>
LM End	<b>42.73</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_NA0016\_435\_146\_20180904\_00047.jpg



Slope stability issue due to foot traffic. Fall 2016 inspection.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	42.90	Rating **	A/W	Issue No.	95
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID	DWR_NA0016_01_f_2018_95				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 136.6 R					
Status: Eroding					
2017 Field Notes: New erosion observed along the entire bank slope.					
Site History: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe.					
New tree popout. Downstream limit extended. 2016 - Site continues to worsen, fresh erosion at toe.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_95\_20181023\_00238.jpg



USACE 2013 Photo #1

LM Start	45.82	Rating **	M	Issue No.	110
LM End	45.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.189371 °	39.189371 °
				-121.959562 °	-121.959562 °
DWR ID	DWR_NA0016_01_f_2018_110				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.14	Rating **	C	Issue No.	137
LM End	47.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.189682 °	39.189682 °
				-121.981171 °	-121.981171 °
DWR ID	DWR_NA0016_01_f_2017_137				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	47.62	Rating **	A/W	Issue No.	97
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID	DWR_NA0016_01_f_2018_97				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_97\_20181023\_00239.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.95	Rating **	A/W	Issue No.	98
LM End	48.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.198117 °	39.200685 °
				-121.988106 °	-121.986717 °
DWR ID	DWR_NA0016_01_f _ 2018_98				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.9 R					
Status: Eroding New					
2017 Field Notes: Erosion along entire bank slope. Bank heavily vegetated. Tree popout that has removed a large of bank.					
Site History:					
DWR Inspector Comment: Large amount of berm left, and USACE will construct a seepage berm this year on the landside.					

No Photos

LM Start	49.42	Rating **	A/W	Issue No.	113
LM End	49.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.213303 °	39.213303 °
				-121.996915 °	-121.996915 °
DWR ID	DWR_NA0016_01_f_2018_113				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_113\_20181011\_00229.jpg



View of erosion on the waterside berm. Fall 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	49.46	Rating **	A/W	Issue No.	105
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID	DWR_NA0016_01_f_2018_105				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 143.5 R					
Status: Eroding					
2017 Field Notes: New erosion along lower slope.					
Site History: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable.					
DWR Inspector Comment: Erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA\_2018\_NA0016\_435\_105\_20181023\_00240.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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